

# 单相调速器

## SINGLE-PHASE GOVERNOR



### ● 特点 Characteristics

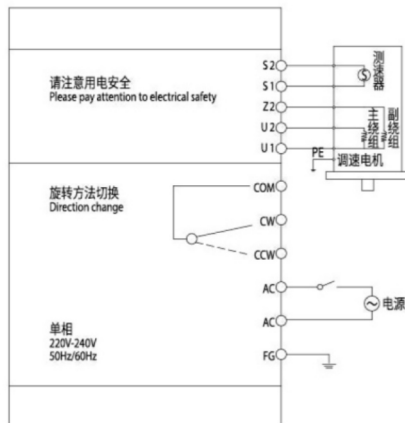
- 采用数字微处理器控制技术，先进的PID控制技术，功能丰富，性能优异；
  - 内置运行电容；
  - 可进行PID参数设定，满足不同场合电机平稳运行；
  - 可实现电机启动，停止加减速设定；
  - 带有堵转保护功能，防止电机；调速器因堵转烧毁；  
(该功能只能保护堵转过载，不能保护非堵转过载)
- Using digital microprocessor control technology, advanced PID control technology, rich in functions and excellent performance.
  - Built-in operating capacitor.
  - PID parameters can be set to meet the smooth running of motors in different occasions.
  - The motor can be started and the acceleration/deceleration setting can be stopped.
  - With blocking protection function to prevent the motor and governor from burning due to blockage.  
(This function can only protect the stall overload, can not protect the non-blocking overload)

### ● 型号类别 Model category

**US**             **C**

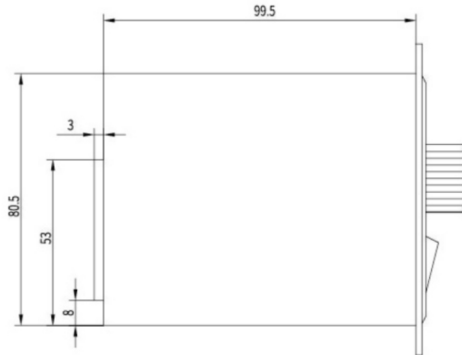
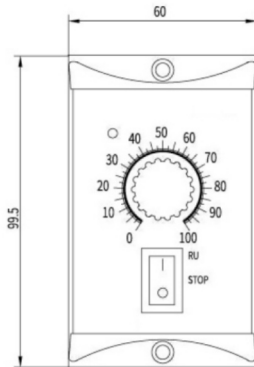
①	②	③
①	名称代号 Name code	US (面板式) FS(panel type)
②	适用调速电机功率代号 Applicable speed motor Power code(W)	6W~250W
③	电压代号 Voltage code	C(单相 single phase 220V) A(单相 single phase 110V)

### ● 产品接线图 Product wiring diagram



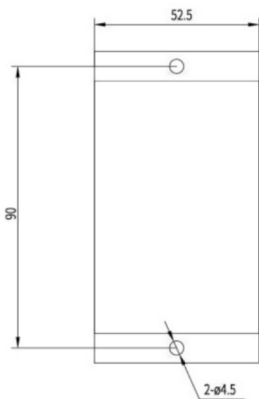
1. AC 电源输入接口
  2. COM 为公共接口
  3. CW、CCW 为正向反向切换端口
  4. FG 为地线接口
  5. U1 为电机主线
  6. U2、Z2 为启动电容接线 (电机启动绕组)
  7. S1、S2 为电机反馈信号输入端口
1. "AC" "AC" power input interface
  2. "COM" is a public interface
  3. "CW" and "CCW" are forward and reverse switching ports.
  4. FG is the ground interface
  5. "U1" is the main motor line
  6. "U2" "Z2" is the starting capacitor wiring (motor starting winding)
  7. "S1" "S2" is the motor feedback signal input port

## ● US系列调速器安装图 US series governor installation diagram



1. 开关 "I" 关闭为 "run" 运行。
2. 开关 "O" 闭合为 "STOP" 停止。
3. 刻度盘 0-100 表示电机运行 120rpm-1350rpm
4. 指示灯为双色灯, 红灯表示停止, 绿灯表示运行。

1. Switch "I" is turned off to "run" operation.
2. The switch "O" is closed to "STOP" to stop.
3. the dial 0-100 indicates that the motor runs 120rpm-1350rpm
4. The indicator light is a two-color light, the red light means stop, and the green light means run.



## ● 安全注意事项

### Safety precautions

这里提示的注意事项,其目的是为了您能安全,正确的使用本产品,并防患于未然,以免对您和他人造成危险和损伤.请您在对其内容充分理解以后再使用本产品.

在操作时违反本警告事项所示的内容要求,可能会导致人员的死亡或负重伤.在操作时违反注意事项所示的内容要求,可能会导致人员负伤或物品损坏.为了使您能正确使用产品,在正文的相关使用项目中请用户务必遵守的事项.

The precautions here are intended to enable you to use this product safely and correctly, and to prevent it from causing danger and damage to you and others. Please use this product after you fully understand its contents.

Violation of the content requirements shown in this warning during operation may result in death or serious injury. Failure to observe the contents of the precautions during operation may result in personal injury or damage to the item. In order for you to use it properly. The product, please be sure to observe the matter in the relevant use items of the text.

## ● 警告warning

- 使用马达,速度控制器(调速器)时,请勿超过其规格值,否则有可能引起触电,致伤,或造成设备损坏;
- 请安装漏电保护器,否则有可能引起火灾;
- 出现异常时,请立即停止运转,切断速度控制器(调速器)电源,否则有可能引起火灾,触电或致伤;
- 接通电源之前,请将速度控制器(调速器)面板电位器,旋转至最低值.否则马达有可能启动,致伤或造成设备损坏。
- 请勿在爆炸性环境,可燃性气体环境,腐蚀性环境,容易沾水的场所以及可燃物附近使用本产品;
- 安装,连接,运转操作,检查,故障诊断等作业时,请由具备适当资格的人来实施,否则有可能引起火灾,触电或致伤;
- 请勿在通电状态下进行移动,安装,接线和检查作业.请切断电源后再进行作业,否则有可能引起触电;
- 马达的过热保护装置(Thermal Protector)动作时,请切断电源,否则过热保护装置自动恢复后马达会突然启动,有可能致伤或造成设备损坏。

- When using the motor and speed controller (speed governor), please do not exceed the specification value, otherwise it may cause electric shock, injury, or equipment damage.
- Please install the leakage protector, otherwise it may cause fire.
- When an abnormality occurs, stop the operation immediately and turn off the power of the speed controller (speed governor). Otherwise, it may cause fire, electric shock or injury.
- Before turning on the power, please rotate the speed controller (speed governor) panel potentiometer to the lowest value. Otherwise, the motor may start, cause injury or cause equipment damage.
- Do not use this product in an explosive environment, a flammable gas environment, a corrosive environment, a place that is prone to water, or a flammable material.
- Installation, connection, operation, inspection, troubleshooting, etc., should be carried out by suitably qualified persons, otherwise it may cause fire, electric shock or injury.
- Do not move, install, wire or check the power while it is powered on. Please turn off the power before proceeding, otherwise it may cause electric shock.
- When the motor's thermal protector (Thermal Protector) is activated, please turn off the power. Otherwise, the motor will suddenly start after the overheat protection device is automatically restored, which may cause injury or equipment damage.

## ● 保养检查Maintenance check

在切断电源后的短时间内(10秒钟内),请勿触摸数显调速器,电机接线端子,否则有可能因残留电压引起触电。

Do not touch the digital display governor or the motor terminal within a short time (within 10 seconds) after the power is turned off. Otherwise, electric shock may occur due to residual voltage.